

ABSTRACT OF THE DISCLOSURE

An electrical drive system for the synchronised adjustment of rotatable axles or linearly movable functional parts in particular for printing machines, in terms of their position, speed or acceleration. Drive units are controlled using computer assistance and are connected to one or more functional parts for their adjustment. A plurality of drive networks, which each have a plurality of the drive units as network nodes, are allocated to some or a group of the functional parts. Inside at least one of the drive networks, its nodes or drive units are arranged in accordance with the master/slave principle and are respectively connected to one another in a ring structure through communication channels and/or a communication system. At least one node of a drive network is coupled in a ring structure with one node of another drive network, likewise in accordance with the master/slave principle, through inter-communication channels and/or an inter-communication system or network.

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